

FIG. 1

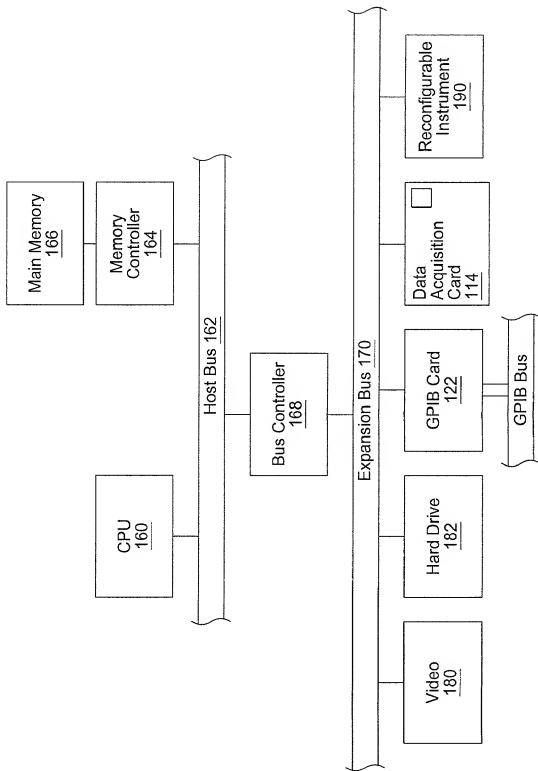


FIG. 2

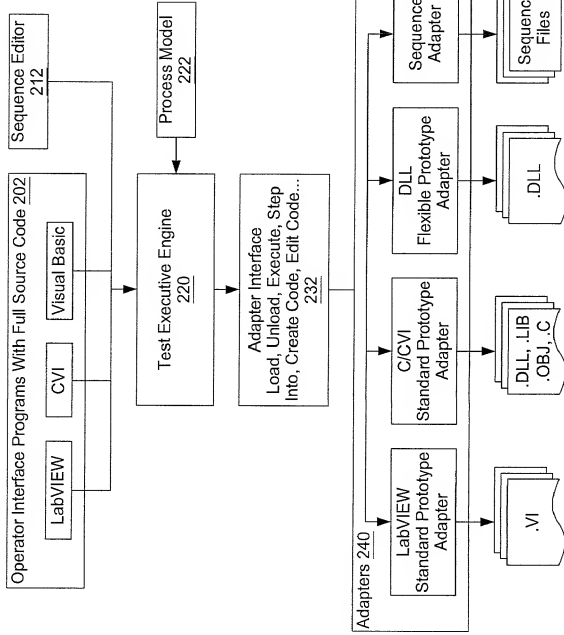


FIG. 3

G:\TestStand\Examples\XML\Reports\computerseq			
Main	Setup	Cleanup	Parameters   Locals
View:		MainSequence	
Step	Description	Execution Flow	Comment
1	Power On		
2	CPU	Numeric Limit Test, $12 \leq x \leq 15$ , volt, Call P...	Precondition
3	ROM	Call MainSequence in gpu.seq	Precondition
4	RAM	Pass/Fail Test, Call ROMTest (computer.dll)	Precondition
5	Video	Pass/Fail Test, Call RAMTest (computer.dll)	Precondition
6	Keyboard	Numeric Limit Test, $70 \leq x \leq 75$ , hertz, Call ...	Precondition
7	ROM Diagnostics	Pass/Fail Test, Call KeyboardTest (computer.dll)	Precondition
8	RAM Diagnostics	Action, Call ROMDiagnostics (computer.dll)	Precondition
9	Video Diagnostics	Action, Call RAMDiagnostics (computer.dll)	Precondition
10	Keyboard Diagnostics	Action, Call VideoDiagnostics (computer.dll)	Precondition
11	END	Action, Call KeyboardDiagnostics (computer.dll)	Precondition

No Steps Selected Number of Steps: 10 //

FIG. 4

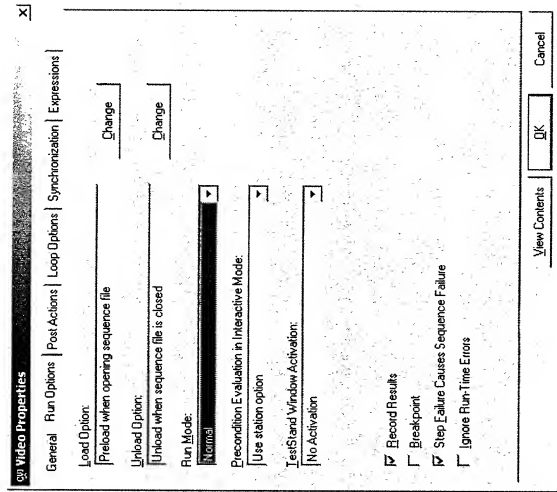


FIG. 5

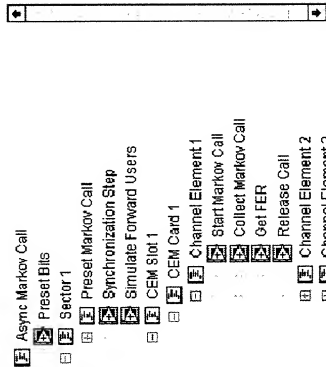


FIG. 6

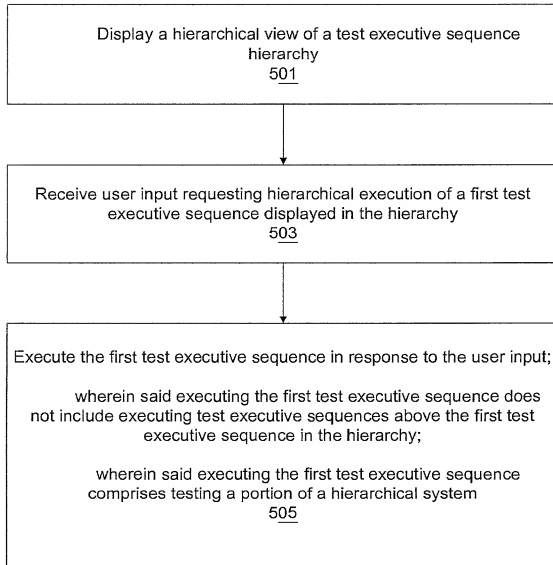


FIG. 7

create a plurality of test executive sequences in response to user input, wherein each test executive sequence maps to a sub-component of a hierarchy of system components and is operable to test the respective sub-component

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call a first test executive sequence to test a first system sub-component of a first level in the hierarchy, wherein the first level is not the top level of the hierarchy

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execute the first test executive sequence without executing test executive sequences that map to system sub-components above the first sub-component in the hierarchy

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FIG. 8



create a test executive sequence having a first local variable  
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create a second test executive sequence having a second local  
variable of the same name as the first local variable, wherein the  
second test executive sequence is a subsequence of the first test  
executive sequence  
803

execute the first test executive sequence  
805

the first local variable is propagated to the second test executive  
sequence, i.e., the second local variable inherits the first value  
807

FIG. 9